

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 5

Application Number

Filing Date

First Named Inventor

Denwood F. Ro

Group Art Unit

Examiner Name

Attorney Docket Number

VTN-0572

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
AI		5,080,839		Kindt-Larsen	01-14-1992	
AI		5,568,715		Ebel et al.	10-29-1996	
AI		5,633,504		Collins et al.	05-27-1997	
AI		5,399,692		Hung et al.	03-21-1995	
AI		4,390,676		Loshaek	06-28-1983	
		4,528,311		Beard et al.	07-09-1985	
AI		3,666,885		Hemsley et al.	05-30-1972	
AI		3,692,985		Kalman	09-19-1972	
AI		3,770,969		Ansevin et al.	11-06-1973	
AI		3,820,899		McCormack	06-28-1974	
AI		3,904,294		Gold et al.	09-09-1975	
AI		3,988,068		Sprague	10-26-1976	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
AI		FR	2 433 767		Horst Riesenber	07-25-1979		
		JP	2 257 007		Seiko-Epson Company	10-17-1990		
AI		DE	3432002	C2	Zeiss et al.	11-05-1987		
AI		DE	0 063 761	A1	Haubold, Wolfgang	11-03-1982		
AI		DE	0 491 663	A1	Hofer, Peter	06-24-1992		
AI		GB	2 171 812	B	Michael Roy Killpatrick	09-03-1986		
AI		JP	59 160734	A	Matsushita Denki Sangyo K.K.	09-11-1984		

Examiner Signature	<i>Anden Tzuel</i>	Date Considered	4/8/02
-----------------------	--------------------	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

10/05/1992

01/17/02

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 5

Application Number

Filing Date

First Named Inventor

Denwood F. Ross et al.

Group Art Unit

Examiner Name

Attorney Docket Number

VTN-0572

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
AI		4,002,823		Van Oosterhout	01-11-1977	
AI		4,158,502		Greiner et al.	06-19-1979	
AI		4,162,126		Nakagawa et al.	07-24-1979	
		<del>4,209,262</del>		<del>Arditty et al.</del>	<del>06-24-1980</del>	
AI		4,317,613		Grosser	03-02-1982	
AI		4,519,041		Fant et al.	05-21-1985	
AI		4,553,847		Lang	11-19-1985	
AI		4,691,231		Fitzmorris et al.	09-01-1987	
AI		4,733,360		Kobayashi et al.	03-22-1988	
AI		4,815,844		Schmalfluss et al.	03-28-1989	
AI		4,817,166		Gonzalez et al.	03-28-1989	
AI		4,825,263		Desjardins et al.	04-25-1989	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
		JP	59 108934	A	<del>Matsushita Denki Sangyo K.K.</del>	06-23-1984		
		CN	2057832		<del>Ciba-Geigy</del>	06-20-1992		
AI		GB	2 014 725	A	Robert Bosch GMBH	08-30-1979		
AI		EP	0 070 252	A1	Ciba-Geigy	01-19-1983		
AI		DE	36 21 092	A	Weber, Rudolf	01-07-1988		

Examiner Signature	<i>Andrew F. Ross</i>	Date Considered	4/8/02
-----------------------	-----------------------	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
AI		5,039,459		Kindt-Larsen et al.	08-13-1991	
AI		5,066,120		Bertrand	11-19-1991	
		<del>5,068,799</del>		<del>Jarrett Jr.</del>	11-26-1991	
AI		5,081,685		Jones, III et al.	01-14-1992	
AI		5,091,963		Litt et al.	02-25-1992	
AI		5,094,609		Kindt-Larsen	03-10-1992	
AI		5,123,735		Hegarty	06-23-1992	
AI		5,249,029		Sommer et al.	09-28-1993	
AI		5,164,462		Yang	11-17-1992	
AI		5,268,735		Hayashi	12-07-1993	
AI		5,466,768		Yang	11-14-1995	
AI		5,500,024		Hung et al.	03-19-1996	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Andrew Travel</i>	Date Considered	4/8/02
-----------------------	----------------------	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 5

Application Number

Filing Date

First Named Inventor

Denwood F. Ross et al.

Group Art Unit

Examiner Name

Attorney Docket Number

VTN-0572

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
AE		5,500,732		Ebel et al.	03-19-1996	
AE		5,574,554		Su et al.	11-12-1996	
AE		5,745,230		Edwards et al.	04-28-1998	
AI		5,528,878		Edwards et al.	06-25-1996	
AE		5,578,331		Martin et al.	11-26-1996	
AE		5,626,000		Edwards et al.	05-06-1997	
AI		5,649,410		Martin et al.	07-22-1997	
AI		5,675,962		Martin et al.	10-14-1997	
AI		5,687,541		Martin et al.	11-18-1997	
AI		5,706,634		Edwards et al.	01-13-1998	
AI		5,749,205		Edwards et al.	05-12-1998	
AI		5,260,576		Sommer, Jr. et al.	11-09-1993	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				

Examiner  
Signature

Andrew Israel

Date  
Considered

4/5/02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 5 of 5

Filing Date

First Named Inventor

Denwood F. Ross et al.

Group Art Unit

Examiner Name

Attorney Docket Number

VTN-0572
----------

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Amber Tavel</i>	Date Considered	<i>4/8/02</i>
-----------------------	--------------------	--------------------	---------------

Signature	<i>[Signature]</i>	Considered	<input checked="" type="checkbox"/>
-----------	--------------------	------------	-------------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231